



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: William H. Fissell, IV *et al.*  
Serial No.: 10/660,056  
Filed: 09/11/03  
Entitled: **Ultrafiltration Membrane, Device, Bioartificial Organ, and Methods**

Group No.: 1724  
Examiner: F. Lawrence

**INFORMATION DISCLOSURE  
STATEMENT TRANSMITTAL**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

<p style="text-align: center;">CERTIFICATE OF MAILING UNDER 37 CFR § 1.8(a)</p> <p>I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on <u>6-7-05</u></p> <p>By: <u>[Signature]</u></p>
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Enclosed please find an Information Disclosure Statement and Form PTO-1449, including copies of the references contained thereon, for filing in the U.S. Patent and Trademark Office.

A check for \$180.00 is also enclosed pursuant to 37 C.F.R. § 1.17(p) for filing this Information Disclosure Statement after three months as set forth in C.F.R. § 1.97(c).

The Commissioner is hereby authorized to charge any additional fee or credit overpayment to our Deposit Account No. 08-1290. An originally executed duplicate of this transmittal is enclosed for this purpose.

Dated: 6/7/05

[Signature]  
David A. Casimir  
Registration No. 42,395

MEDLEN & CARROLL, LLP  
101 Howard Street, Suite 305  
San Francisco, California 94105  
608/218-6900



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The citations listed below, copies attached, may be material to the examination of the above-identified application, and are therefore submitted in compliance with the duty of disclosure defined in 37 C.F.R. §§ 1.56 and 1.97. The Examiner is requested to make these citations of official record in this application.

- U.S. Patent No. 6,044,981
- U.S. Patent No. 5,549,674
- U.S. Patent No. 5,686,289
- U.S. Patent No. 6,060,270
- U.S. Patent No. 6,150,164
- U.S. Patent No. 6,410,320
- U.S. Patent No. 6,405,066
- U.S. Patent No. 6,017,390
- U.S. Patent No. 5,776,748
- U.S. Patent No. 5,843,741

- U.S. Patent No. 5,976,826
- U.S. Patent No. 6,569,654
- U.S. Patent No. 5,770,193
- U.S. Patent No. 5,759,830
- U.S. Patent No. 5,736,372
- U.S. Patent No. 5,770,417
- U.S. Patent No. 6,107,102
- U.S. Patent No. 6,015,599
- U.S. Patent No. 5,985,328
- U.S. Patent No. 5,985,164
- U.S. Patent No. 5,948,255
- U.S. Patent No. 5,938,923
- U.S. Patent No. 5,893,974
- U.S. Patent No. 5,798,042
- U.S. Patent No. 5,770,076
- U.S. Patent No. 5,651,900
- U.S. Patent No. 6,368,877
- U.S. Patent No. 6,368,838
- U.S. Patent No. 6,180,239
- U.S. Patent No. 6,042,784
- U.S. Patent No. 6,150,164
- Park, B et al. (2002) Med Device Technol 13(2): 32-34
- Voldman, J et al. (1999) Annu Rev Biomed Eng 1: 401-425
- Wagner, B (1995) Endosc Surg Allied Technol 3(4): 204-209
- Petersen, KE (1982) Proceedings of the IEEE 70:420-457
- Mrksich et al. (1996) PNAS 93:10775-10778
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- Craighead et al., Biomed. Microdevices, 1:49, 1998
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- Shepro et al in FASEB J. 7:1031-1038 (1993)
- Davies in Kidney International, 45:320-327 (1994)
- Scott et al., J. Cell Sci. 105:269-273, 1993
- Schneider et al., Surgery 103:456-462, 1988
- Kadletz et al., J. Thoracic and Cardiovascular Surgery 104:736-742, 1992
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- Demetriou et al., Science 23:1190-1192, 1986
- Fissell et al., J. Amer. Soc. Nephrology, vol. 13, pp. 602A, 2002
- Humes et al., Amer. J. Physiology, 271:F42, 1996



- Desai et al Adv. Drug Delivery Rev. 56:1661-1673, 2004
- Conlisk et al in Electrophoresis 24:3006-3017 (2003)
- Conlisk et al in Anal. Chem 74:2139-2150 (2002)
- Min Sensors and Actuators 98:368 (2004)

This Information Disclosure Statement under 37 C.F.R. §§ 1.56 and 1.97 is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that any one or more of these citations constitutes prior art.

Dated: \_\_\_\_\_

6/7/05

A handwritten signature in dark ink, appearing to read "David A. Casimir", written over a horizontal line.

David A. Casimir  
Registration No. 42,395  
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608/218-6900

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

**Complete if Known**

Application Number	10/660,056
Filing Date	09/11/2003
First Named Inventor	Fissell et al.
Art Unit	1724
Examiner Name	F. Lawrence
Attorney Docket Number	UM-08332

Sheet	1	of	6
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## U. S. PATENT DOCUMENTS

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	1	US- 6,044,981	04/04/2000	Chu et al.	Whole document
	2	US- 5,549,674	08/27/1996	Humes et al.	Whole document
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	10	US- 5,843,741	12/01/1998	Wong et al.	Whole document
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	12	US- 6,569,654	05/27/2003	Shastri et al.	Whole document
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	14	US- 5,759,830	06/02/1998	Vacanti et al.	Whole document
	15	US- 5,736,372	04/17/1998	Vacanti et al.	Whole document
	16	US- 5,770,417	06/23/1998	Vacanti et al.	Whole document
	17	US- 6,107,102	08/22/2000	Ferrari	Whole document
	18	US- 6,015,599	01/18/2000	Keller et al.	Whole document
	19	US- 5,985,328	11/16/1999	Chu et al.	Whole document

## FOREIGN PATENT DOCUMENTS

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Examiner Name	F. Lawrence
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Sheet 2 of 6

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	20	US- 5,985,164	11/16/1999	Chu et al.	Whole document
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	23	US- 5,893,974	04/13/1999	Keller et al.	Whole document
	24	US- 5,798,042	80/25/1998	Chu et al.	Whole document
	25	US- 5,770,076	06/23/1998	Chu et al.	Whole document
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		First Named Inventor	Fissell et al.
		Art Unit	1724
		Examiner Name	F. Lawrence
Sheet 3 of 6	Attorney Docket Number		UM-08332

NON PATENT LITERATURE DOCUMENTS			
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	32	Park, B et al. (2002) Med Device Technol 13(2): 32-34	
	33	Voldman, J et al. (1999) Annu Rev Biomed Eng 1: 401-425	
	34	Wagner, B (1995) Endosc Surg Allied Technol 3(4): 204-209;	
	35	Petersen, KE (1982) Proceedings of the IEEE 70:420-457	
	36	Mrksich et al. (1996) PNAS 93:10775-10778	
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	38	Mrksich, Chem. Soc. Rev., 29:267 (2000)	
	39	Desai, Med. Eng. Phys. 22:595, 2000	
	40	Deutsch et al., J. Biomed. Mater. Res., 53:267, 2000	
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		<b>Examiner Name</b>	F. Lawrence
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